

ABSTRACT OF THE DISCLOSURE

An assembly, such as an aircraft component, is formed with a weld joint by, for example, using friction stir welding, FSW, to form a lap joint between a stiffener and the interior surface of the skin of the component. A sealant layer, such as a monomer sealant/adhesive is applied to the surfaces to be joined, and is cured in place by the elevated temperatures of the welding process to form an elastomeric. faying surface sealing, such as a fluoroelastomeric coating, to protect the component from corrosion at the welds. Additional heat for curing may be applied by laser or induction heating or the like.